

In the claims:

1. (Currently Amended) An internal combustion engine comprising:

a body;  
a shaft rotatably mounted within said body;  
a pair of pistons within said body, said pair of pistons attached to and extending from said shaft;  
a combustion chamber formed in said shaft; and  
a bearing attached to each piston by a pin.

2. (Currently Amended) The internal combustion engine of claim 1, wherein

said body has a centerline; and  
said shaft extending along said body centerline.

3. (Currently Amended) The internal combustion engine of claim 1, further comprising:

a pair of cylinders;  
said pair of pistons reciprocating within said pair of cylinders; and  
a secondary combustion chamber formed between said pair of cylinders.

4. (Currently Amended) The internal combustion engine of claim 1, further comprising:

an ellipsoid guide in said body; and  
said pair of pistons retained in said ellipsoid guide.

5. (Currently Amended) An internal combustion engine comprising:

a body, said body having an inner surface and an outer surface;

a shaft rotatably mounted in said body;  
an intake port and an exhaust port formed in said  
body;

a combustion chamber formed in said shaft, said  
combustion chamber having a bottom wall, a left edge wall and a  
right edge wall; and

a bridge extending upwardly from said combustion bottom  
wall to said body inner surface.

6.Cancelled

7.(Original) The internal combustion engine of claim  
5, further comprising:

a sleeve positioned between said shaft and said  
body.

8.(Original) The internal combustion engine of claim  
7 further comprising:

an O-ring between said sleeve and said shaft.

9.(Currently Amended) An internal combustion engine  
comprising:

a body having an axis;  
a shaft rotatably mounted within said body;  
a pair of pistons within said body, said pair of  
pistons attached to and extending from said shaft;

a pair of cylinders;  
said pair of pistons reciprocating within said  
pair of cylinders;

a pin extending from each said cylinder;  
a bracket extending radially outwardly from each  
piston and engaging said pin.

a compression spring surrounding said pin and  
bearing against said bracket; and

a single combustion chamber formed in said shaft,  
~~said combustion chamber having an axis collinear with said body axis.~~

10. (Currently Amended) The internal combustion engine of claim 9, wherein

said body has a centerline; and  
said shaft extending along said body centerline.

11. (Currently Amended) The internal combustion engine of claim 9, further comprising:

~~a pair of cylinders;~~  
~~said pair of pistons reciprocating within said pair of cylinders;~~  
a secondary combustion chamber formed between said pair of cylinders.

12. (Currently Amended) The internal combustion engine of claim 9, further comprising:

an ellipsoid guide in said body; and  
said pair of pistons retained in said ellipsoid guide.